# PROJECT DESCRIPTION

### I. GENERAL

This portion of the project involves the modification of the existing traffic control signal at the intersection of MD 193 and Stadium Drive in Prince George's County, Maryland. MD 193 is considered to run in an east/west direction.

#### II. INTERSECTION OPERATION

The intersection currently operates in a NEMA six (6) phase, full-traffic-actuated mode. There is an exclusive left turn phase for both the east and westbound movement of MD 193. The MD 193 through movements operate concurrently. The Stadium Drive through movements operate concurrently with an actuated pedestrian movement across the east and west leg of the intersection.

The existing cabinet/controller will be utilized. The existing 2-channel loop detector amplifiers will be replaced with new 4-channelrack mounted loop detector amplifiers.

## EQUIPMENT LIST

A. Equipment to be furnished and/or installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description	
Lump Sum	LS	108	Mobilization.	
Lump Sum	LS	104	Maintenance of traffic.	
3	EA	814	12 in., one-way, three section (RA,YA, GA) adjustable black faced traffic signal head with span wire mounting hardware and tunnel visors.	
2	EA	814	12 in., one-way three section (R,Y,G) adjustable black faced traffic signal head with span wire mounting hardware and tunnel visors.	
4	EA		Micro-loop probe (set of 3) with 1000 ft. lead-in cable.	
4	EA	<b>*</b>	4 channel rack mounted loop detector amplifiers.	
1	EA	*	Rack mounted loop detector amplifier retrofit kit.	
1	EA	★	Power supply for rack mounted loop detector amplifiers.	
6	EA	811	Handhole.	
1040	LF	815	Sawcut for signatloop detector.	
2840	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.	
2590	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).	
345	LF	810	5-conductor electrical cable (No. 14 A.W.G.).	
40	LF	805	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.	
45	LF	805	1 in. galvanized steel electrical conduit for loop detector sleeve.	
220	LF	805	3 in. polyvinyl chloride ESchedule 803 electrical conduit - trenched.	
80	LF	805	4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.	
230	LF	805	4 in. polyvinyl chloride ESchedule 803 electrical conduit - slotted in roadway	
1	EA	813	24 in. x 78 in. M95-1 sign with span wire mounting hardware.	
135	L.F	550	24 in. wide white HAPPTPM pavement marking for stop line.	
1030	LF	550	12 in. wide white HAPPTPM pavement marking for crosswalk.	
2	EA		Realign existing traffic signal head.	
Lump Sum	LS		Remove existing traffic signal equipment.	
3	EA		Frame and cover for existing handhole.	
Lump Sum	LS		As-built for S.H.A. [on CADD].	
		*	Note: To be installed by MD-SHA Signal Shop.	

C. Existing equipment to be removed by the Contractor and delivered to the MDSHA Office of Traffic and Safety, Traffic Operations Division, Traffic Signal Shop, 7491 Connelley Drive, Hanover MD, 21076. A twenty-four (24) hour notice is required prior to delivery. Please contact Mr. Ed Rodenhizer at (410)

Description EA 2-channel loop detector amplifiers.

Note. All equipment and/or material not listed above shall become the property of the Contractor.

### CONTACT LIST

The contact persons for District \*3 are as follows:

Mr. Charlie Watkins District Engineer 301-513-7313

Mr. Majib Shakib

Assistant District Engineer - Traffic 301-513-7358

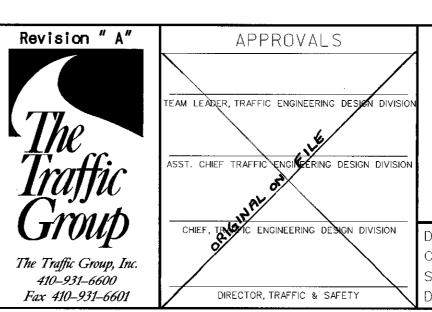
Mr. Augie Rebish Assistant District Engineer - Utility

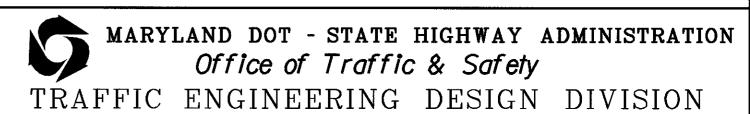
301-513-7350 Mr. Randy Brown

Assistant District Engineer - Maintenance 301-513-7304

Mr. Richard L. Daff Chief, Traffic Operations Division 410-787-7630

Phase Chart						
		13 14 15-18 (R) (R) (P) (P) (P) (P) (P) (P) (P) (P) (P) (P				
	Phase 1 & 5         ←G ← ←G ← G ← G ← G ← G ← G ← R ← R ← R	R R DW → A R R DW → A				
	Wiring Diagram	A B C Micro-loop Detector Lead-in Cable D  E F G H J (Aluminum Shielded) K L M				
LW E LW E E,F,C	C ML  D ML  C ML  D ML  C D K, L, M, P  C D K, L, M, P  K, L, M, P	<pre>N</pre>				
B <b>≹</b>	ML * LW KI	LW— Loop Detector Wire (No. 14 A.W.G.) in Flexible Tubing  SP— Splice Loop Wire To Existing Aluminum Shielded Cable  ML— Micro-loop Detector				
	EL					





(General Information Plan)

MD 193 (University Blvd.) at Stadium Drive

SHEET NO.
4 OF7